File No.: P444 0003
GOSO/mib

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**



Applicant: HUANG, Dong; QI, Dong Feng

Serial No.: 09/982,018

Filed: 19 October 2001

Title: **NOVEL AGLYCON DAMMARANE SAPOGENINS, THEIR USE AS ANTI-CANCER AGENTS AND A PROCESS FOR PRODUCING SAME**

Examiner:

Art Unit: 1651

Date: 9 July 2002



**AMENDMENT TRANSMITTAL**

Commissioner for Patents
Washington, D. C. 20231

Sir:

Transmitted herewith is an Amendment for this application. No additional fee is required.

Please charge any fees in connection with this communication, including any filing fees under 37 CFR 1.16 for the presentation of extra claims and any patent application processing fees under 37 CFR 1.17, or credit any overpayment, to Deposit Account No. 02-1037. A duplicate copy of this transmittal is attached.

Respectfully submitted,
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P444/0003
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Paper No.:

**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Inventor(s): HUANG, Dong; QI, Dong Feng

Title: NOVEL AGLYCON DAMMARANE SAPOGENINS, THEIR USE AS ANTI-CANCER AGENTS, AND A PROCESS FOR PRODUCING SAME

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Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

**PRELIMINARY AMENDMENT**

Please amend this application as follows:

In the Specification:

- At page 12, starting at line 17, please replace paragraph 33 with the following:

**[0033]** The inventors herein have discovered that the dammarane sapogenin structure that is modified to be specifically clean of any sugar moieties (glycons) at any position and free of hydroxyl at C-20 has surprisingly improved effectiveness in treating cancers, particularly in treating multi-drug resistant cancers, compared to sapogenins that have sugar moieties on the structure or a hydroxyl at C-20 The inventors have unexpectedly found that PAM-120, PBM-110 and PBM-100, which all fall into this chemical category, have greater anti-cancer effect than other known saponins and sapogenins. In particular, these three sapogenins, and especially PAM-120, show surprisingly effective activity in the treatment of multi-drug resistant cancers.

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- At page 13, starting at line 1, please replace paragraph 34 with the following:

**[0034]** The inventors have also surprisingly and unexpectedly found that a dammarane sapogenin structure which is free of a hydroxyl at C-20, even though there may be a sugar moiety on the structure, demonstrates effective anti-cancer activity, particularly

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